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Sequence Listing was accepted.

If you need help call the Patent Electronic Business Center at (866)  
217-9197 (toll free).

Reviewer: Durreshwar Anjum

Timestamp: [year=2009; month=12; day=18; hr=10; min=39; sec=22; ms=322;  
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Application No: 10583840 Version No: 3.0

Input Set:

Output Set:

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**Finished:** 2009-12-02 10:44:44.908  
**Elapsed:** 0 hr(s) 0 min(s) 2 sec(s) 414 ms  
**Total Warnings:** 18  
**Total Errors:** 0  
**No. of SeqIDs Defined:** 18  
**Actual SeqID Count:** 18

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accgctctgg atagcagtca ggtggatgaa gtgatactcg gccacgtact caccgccggt	180
gctggcagaa taccgctcgc caggcaneng gtcatcgccg gcctgccaca cgccgtaccg	240
gcgatgacc tgaacaaggc ctgtggctcc ggctgaaag ccctgcacct gggcgcccag	300
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tcgtcctatg tcttgcccaa ggcccgcacc ggctgcgca tgggccacgc gcagctggtc	420

gacagcatga tcgtcgacgg cctgtgggac gccttcaacg actaccacat ggggatcact	480
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gcctcgacgc agaaagccgt ggccgccatc gagaccggtc gcttccgcga cgagatcgtc	600
cgggtgagca ttccgcagcg caagggcgag gcgtgagct tcgacaccga cgaacagcca	660
cgcgcgggca ccaccgccga gtcgctgggc aagctgaaac cggccttcaa gaacgacggc	720
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caaagccagt ggttcgacgt acctgtcgag gcgttggagc aactgcaggc ggactaccaa	180
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cgtcgcttcg ccagtggcaa ctggagcgaa ccgctgttcg gttccctggc tgccttctac	300
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 <223> n=A, C, G or T

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 <213> Pseudomonas sp. HJ-2

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Phe Thr Val Val Val Gly Cys Asn Pro Tyr Ser Ser Arg Lys Ala Ser  
 35 40 45

Trp Ile Ala Thr Gln Leu Glu Ala Gly Phe His Phe His Cys Ile Asp  
 50 55 60

Cys Asp Ile Thr Asp Trp Asp Ser Thr Arg Gln Ala Phe Asp Met Val  
 65 70 75 80

His Glu Thr Val Gly Pro Ile Asp Val Leu Val Asn Asn Ala Gly Ile  
 85 90 95

Thr Arg Asp Gly Thr Phe Arg Lys Met Ser Pro Glu Asn Trp Lys Ala  
 100 105 110

Val Ile Asp Thr Asn Leu Thr Gly Leu Phe Asn Thr Thr Lys Gln Val  
 115 120 125

Ile Glu Gly Met Leu Ala Lys Gly Trp Gly Arg Val Ile Asn Ile Ser  
 130 135 140

Ser Ile Asn Gly Gln Arg Gly Gln Phe Gly Gln Thr Asn Tyr Ser Ala  
145 150 155 160

Xaa Lys Ala Gly Ile His Gly Phe Ser Met Ala Leu Ala Arg Glu Val  
165 170 175

Ser Gly Lys Gly Val Thr Val Asn Thr Val Ser Pro Gly Tyr Ile Lys  
180 185 190

Thr Asp Met Thr Ala Ala Ile Arg Pro Asp Ile Leu Glu Asp Met Ile  
195 200 205

Thr Gly Ile Pro Val Gly Arg Leu Gly Gln Pro Glu Glu Ile Ala Ser  
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<213> Pseudomonas sp. HJ-2

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<222> (69)  
<223> Xaa = Glu or Asp

<220>  
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<222> (70)  
<223> Xaa = Gln, Pro, Arg or Leu

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20 25 30

Val Ile Arg Arg Leu Leu Glu Gln Thr Ala Leu Asp Ser Ser Gln Val  
35 40 45

Asp Glu Val Ile Leu Gly His Val Leu Thr Ala Gly Ala Gly Arg Ile  
50 55 60

Pro Leu Ala Arg Xaa Xaa Val Ile Ala Gly Leu Pro His Ala Val Pro  
65 70 75 80

Ala Met Thr Leu Asn Lys Val Cys Gly Ser Gly Leu Lys Ala Leu His  
85 90 95

Leu Gly Ala Gln Ala Ile Arg Cys Gly Asp Ala Glu Val Val Ile Ala  
100 105 110

Gly Gly Met Glu Asn Met Ser Leu Ser Ser Tyr Val Leu Pro Lys Ala  
115 120 125

Arg Thr Gly Leu Arg Met Gly His Ala Gln Leu Val Asp Ser Met Ile  
130 135 140

Val Asp Gly Leu Trp Asp Ala Phe Asn Asp Tyr His Met Gly Ile Thr  
145 150 155 160

Ala Glu Asn Leu Val Asp Lys Tyr Gly Ile Ser Arg Glu Ala Gln Asp  
165 170 175

Glu Phe Ala Ala Ala Ser Gln Gln Lys Ala Val Ala Ala Ile Glu Thr  
180 185 190

Gly Arg Phe Arg Asp Glu Ile Val Pro Val Ser Ile Pro Gln Arg Lys  
195 200 205

Gly Glu Ala Leu Ser Phe Asp Thr Asp Glu Gln Pro Arg Ala Gly Thr  
210 215